

Contents

Energy Consumption Per GDP in Various Regions of China and its Mode	
L. Jin, M. Lin, X. Liu and Z. Zhao	2335
Natural Catastrophe Risk, Insurance and Economic Development	
Z. Zhao	2340
Determining Contribution Rate of Agricultural Technology Progress with CD Production Functions	
J. Wang and Yuyan	2346
Discussion on the Relationship Between Green Technological Innovation and System Innovation	
J. Wang	2352
Statistical and Econometric Analysis of the Impact of China's Energy, Environment on the Economic Development	
Y. Nan and Y. Gao	2358
Decoupling Measure Between Economic Growth and Energy Consumption of China	
H. Wang	2363
The Economic Thinking on Low Carbon Economy	
Y. Niu	2368
Research on Environmental Issues During Port-Economy Development in Yingkou of Liaoning	
Y. Qi	2373
Strengths, Weaknesses, Opportunities and Threats Analysis of Bioenergy Production on Marginal Land	
T.T. Liu, B.G. McConkey, Z.Y. Ma, Z.G. Liu, X. Li and L.L. Cheng	2378
Empirical Analysis on Ecological Footprint of Household Consumption in China	
Z. Gao and C. Liu	2387
Empirical Analysis of Tangshan Economic Growth and Environmental Pollution	
B. Shi, R. Zhao and Y. Zhang	2392
Research on the Dynamic Relationship of the Energy–Economy–Environment (3E) System-Based on an Empirical Analysis of China	
S. Han and J. Zhu	2397
Research on the Influence of Sulfur Tax on the Industrial Structure of Liaoning Province under CGE Model	
S. Ren, Y. Yuan, H. Wang and F. Ji	2405
Research on Utilization of Urban Rainwater Resources	
X.-F. Lu, Sun-Yi, Li-Bo and T.-L. Wang	2410
Study on Design and Research of Tourist Souvenirs on the Background of Low-Carbon Economy	
Q. Zhang and H. Liu	2416
Study of Ratio of Tritium Concentration in Plants Water to Tritium Concentration in Air Moisture for Chronic Atmospheric Release of Tritium	
H.-F. Shen and R.-T. Yao	2421
The Analysis to the Influence of Carbon Dioxide Emissions in Different Countries	
J. Ding and W. Zhang	2426
The Environmental Influence of Asphalt Pavement and Countermeasures	
Q. Yang and J. Ning	2432
The Oxygen Transfer Efficiency and Economic Cost Analysis of Aeration System in Municipal Wastewater Treatment Plant	
C. Liu, S. Li and F. Zhang	2437
The Spillover Effects on Petrochemical Industrial Concentration of International Oil Price	
S.Y. Wang and D. Li	2444
Technological Parameters of Biomass Briquetting of Macrophytes in Nansi Lake	
F. Li and M. Zhang	2449
The Effects of Biomass Solid Waste Resources Technology in Economic Development	
W. Li, M. Ju, L. Liu, Y. Wang and T. Li	2455
Empirical Study on the Relationship Between Economic Growth and Carbon Emissions in Resource-Dependent Cities based on Vector Autoregression Model	
X. Sun, M. Zhou and M. Zhang	2461
Tax Policy Tropism of Chinese Enterprises' Energy Conservation and Pollution Reduction: Evidence from Shandong Province	
F. Li, S. Chang and W. Zhang	2468

Study on Mitigation Strategies of Methane Emission from Rice Paddies in the Implementation of Ecological Agriculture	
X. Zhao, J. He and J. Cao	2474
The Analysis of Ecological Ethics in the Low-Carbon Economy	
T. Qian	2481
Systematic Dynamics Analysis of Coal City Coordination Development	
Z. Liu	2486
Study of Government–Industry–Research Integration Based on Regional Low-Carbon Innovation System	
J. Yi, G. Xu and Y. Zhao	2494
On the Relationship Between Energy Intensity and Industrial Structure in China	
T. He, Z. Li and L. He	2499
Development Strategy Research of Modern Eco-Agriculture on the Basis of Constructing the Rural Circular Economy—For the Example of Shandong Province	
J. Cao, M. Li and S. Li	2504
Low-Carbon Technologies Integrated Innovation Strategy Based on Modular Design	
Y. Qi and X.-B. Wu	2509
An Appraisal and Analysis of the Law of “Plastic-Bag Ban”	
Q. Zhu	2516
Energy Demand Forecast Based on the New Weakening Buffer Operators with Exponential Type	
C. Liu, Y. Gao and Z. Shao	2522
E-Waste Recycling and Related Social Issues in China	
B. Li, H.Z. Du, H.J. Ding and M.Y. Shi	2527
Relationship Between Ecological Civilization and Balanced Population Development in China	
L. Zhang and D. Zhang	2532
Forecast of Energy Demand in the Next Decade	
H. Zhang and N. Zhong	2536
Promoting Low-Carbon Development of Electric Power Industry in China: A Circular Economy Efficiency Perspective	
S.-L. Zeng and H.-L. Zhang	2540
Study on Resource-Environment Response to the Rapid Urban Expansion of China	
Y. Liu and Y. Wang	2549
The Research on Purification Mechanism of Natural Cool Energy and its Application in Wastewater Treatment	
Y. Zhang, C.-Y. Li, X.-Y. Zhang, X.-H. Shi and W.-P. Li	2554
The Mechanism and Measures of Adjustment of Industrial Organization Structure: The Perspective of Energy Saving and Emission Reduction	
M. Chen and Y. Gu	2562
On China’s Energy Saving and Emission Reduction and International Law Analysis About Global Climate Change	
J. Guo	2568
Analysis of Sensitivity of the Environmental Value of Wind Power	
H. Li, S. Guo and B. Wang	2576
Identifying Core Technology Structure of Electric Vehicle Industry Through Patent Co-Citation Information	
X. Wang and Y. Duan	2581
Dynamic Econometric Analysis of the Relationship Between Urbanization and Urban Resource in Beijing City	
Z. Wang, C. Shi, Q. Li and G. Wang	2586
Analysis of China’s Current Energy Structure and Trend of Development: Supply And Demand	
Liuyijun	2593
The Application of Combination Forecasting Model in Energy Consumption System	
X. Yi, Z. Cao and X. Lei	2599
Extenics-Based Evaluation of China’s Insurance Ecological Environment	
Q. Deng and Z. Pu	2604
Impact of Heavy Industrialization on the Carbon Emissions: An Empirical Study Of China	
Z. Wang, C. Shi, Q. Li and G. Wang	2610
Structure of Land Use Change and its Affecting Factors: Based on Hubei Province	
J. Gao and H. Fu	2617
A Research on Impacting Factor of Rural Environment and Environment Protection Awareness of Farmers	
N. Wang, B. Zhao and H. Yang	2623